

Datasheet for 009-001-U37S**UBE2I protein-HIS Epitope****Overview**

Description:	UBE2I recombinant protein-HIS Epitope - 009-001-U37S
Item No.:	009-001-U37S
Size:	20 µg
Reactivity:	H. sapiens (Human)
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	UBE2I or ubiquitin-conjugating enzyme E2I is a member of the E2 ubiquitin-conjugating enzyme family which is required for post-replicative DNA damage repair. UBE2I also known as UBC9, plays a role DNA damage repair via interaction with WT1, which is able to impose a block in cell cycle progression in eukaryotic cells (1). Listeria and probably other pathogens, dampens the host response by decreasing the sumoylation level of proteins critical for infection by targeting UBC21, an essential enzyme of the SUMO pathway. UBC21 and the SUMO pathway are crucial for proper nuclear architecture, accurate chromosome segregation, and embryonic viability (2). UBE2I Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	C358B7.1, P18, UBC9, SUMO-conjugating enzyme UBC9, Ubiquitin-conjugating enzyme E2 I
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	UBE2I
Reactivity:	H. sapiens (Human)
Purity/Specificity:	Recombinant full length human UBE2I was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - NM_003345

Application Details

Application Note:	UBE2I Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. UBE2I Protein is suitable for use in Western Blot. Expect a band approximately ~19kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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